ECS Configuration Change Request

1. Originator	2. Log Date:	3. CCR #:	4. Rev:	5. Tel:	6. Rm #:	7. Dept.
Evan Winston	9/1/00	00-0901	-	301.925.0348	2013	DEV/CO

8. CCR Title: Test Executable 5B.05_SDSRV.01 to DAACs, VATC, & PVC. SDSRV keeps going down at GSFC; Ops impeded.

9. Originator Signature/Date	10. Class	11. Type:	12. Need Date: 1SEPT2000
9/1/00	II	CCR	

13. Office Manager Signature/Date	14. Category of Change:	15. Priority: (If "Emergency" fill in Block 28).
for 9/1/00	Other	Emergency

16. Documentation/Drawings Impacted:	17. Schedule Impact:	18. CI(s) Affected:
N/A	N/A	SDSRV

19. Release Affected by this Change:	20. Date due to Customer:	21. Estimated Cost:
5B		None - Under 100K

22. Source Reference: ☒NCR (attach) ☐Action Item ☐Tech Ref. ☐GSFC ☐Other:
NCR ECSed27733

23. Problem: (use additional Sheets if necessary)
New TE needs to be released that will provide the same problem resolution as below. This new TE is needed to match baseline changes that have been made with the 5B.05C code

Original Problem: SDSRV still keeps going down at GSFC; OPS impeded. SDSRV core dumps at least several times each hour, cannot do ingest, production or distribution. Problem still persists after delivery and install of TE 5B.04_SDSRV.01 at GSFC on 8/11/00 (since corrected by .02).

24. Proposed Solution: (use additional sheets if necessary)
Test Executable 5B.05_SDSRV.01 provides fixes to the problem listed above. The fix was tested at GSFC and solves the problems, This TE can only be loaded on top of 5B.03, 5B.04, or 5B.05C. TEs 5B.04_SDSRV.01 & .02 are now obsolete!!! NOTE: This 5B.05_SDSRV.02 TE MUST be re-installed follwoing installation of the 5B.05C version software. whereTE 5B.04_SDSRV.01 has already been applied.

25. Alternate Solution: (use additional sheets if necessary)
Take no action now and wait until 5B.06 is available at the DAACs.

26. Consequences if Change(s) are not approved: (use additional sheets if necessary)
DAACs must continue to work around the problems and/or modify operating procedures.

27. Justification for Emergency (If Block 15 is "Emergency"):
Resolves Immediate GSFC DAAC operational problem.

28. Site(s) Affected: ☐EDF ☒PVC ☒VATC ☒EDC ☒GSFC ☒LaRC ☒NSIDC ☒SMC ☐AK ☐JPL ☐EOC ☐IDG Test Cell ☐Other

29. Board Comments:	30. Work Assigned To:	31. CCR Closed Date:

32. EDF/SCDV CCB Chair (Sign/Date):	Disposition: Approved App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ECS
33. M&O CCB Chair (Sign/Date): 9/1/00	Disposition: Approved App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ECS
34. ECS CCB Chair (Sign/Date):	Disposition: Approved App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ESDIS

ADDITIONAL SHEET

CCR #: 00-090 / **Rev:** — **Originator:** Evan Winston

Telephone: 301.925.0348 **Office:** DEV/CO

Title of Change: Test Executable 5B.05_SDSRV.01 to DAACs, VATC, & PVC. SDSRV keeps going down at GSFC; Ops impeded.

CM: PLEASE, build Sun TAR file(s) for the listed files from current 5B baseline and provide to the SMC.

Please generate a sun tar file(s) for test executable 5B.05_SDSRV.01 to
include the following files from the 5B06 (DROP5B_sun5.5 view) branch.

The following should be included:

The entire package .EcDsSdSDSRV.pkg (by running mkdeliver) and

ALL the files in the following directory:
/ecs/formal/ESDT/lib/sun5.5 (all the DLLs)

SMC: Provide the Tar files to the DAACs,PVC and VATC.

Install Instructions:

Please NOTE: This TE can be loaded on top of 5B.03 or 5B.04 or 5B.05 installations. It MUST be re-loaded on top of any 5B.05C software version install.

NOTE: Distribution to DAACs, PVC and VATC.

This Test Executable rectifies the core dump problems within the SDSRV. The entire SDSRV package must be installed as per the directions below.

Installation Procedure:

On the Science Data Server Host,

1) Bring up ECS Assist and use Subsystem manager to install the .EcDsSdSDSRV.pkg.
2) Use Ecs Assist to run the database patch 58.58.
3) Use the Registry GUI to add the following configuration parameters:
   - SDSRV_NOTIFIERQ_DATARETENTIONHOURS with a values of 48
   - SDSRV_NOTIFIERQ_CLEANUPINTERVALSECS with a values of 3600
   - SDSRV_REQUEST_CLEANUPINTERVALSECS with a value of 3600
   - SDSRV_REQUEST_DATARETENTIONHOURS with a value of 48
4) As cm<MODE>: Perform the following:
   Go to the directory where the ESDT DLLS are maintained
   ```
   cd /usr/ecs/<MODE>/CUSTOM/lib/ESS

   cp /distribution_directory>/5B.05_SDSRV.01/*ESDT*.so .
   ```
5) As cmshared /allmode: execute the followingcommand
   ```
   cp . /*ESDT*.so/usr/ecs/<MODE>/CUSTOM/lib/DSS
   ```

Library files are placed as follows:
/usr/ecs/<mode>/custom/lib/DSS

ScienceDataServer executable is placed as follows:
/usr/ecs/<mode>/custom/bin/DSS